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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

O'NEILL et al

Atty. Ref.: 36-1675; Confirmation No.

RECEIVED

Appl. No. 10/018,488

Group: 2681

DEC 11 2003

Filed: December 19, 2001

Examiner:

Technology Center 2600

For: TELECOMMUNICATIONS ROUTING

* * * * *

December 10, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

**PRELIMINARY AMENDMENT
AND
INFORMATION DISCLOSURE STATEMENT**

In order to place the above-identified application in better condition for
examination, please amend the application as follows:

AMENDMENTS TO THE SPECIFICATION:

Please add the following new paragraph at page 1, before line 1:

--RELATED APPLICATIONS

This application is related to the following co-pending commonly assigned applications:

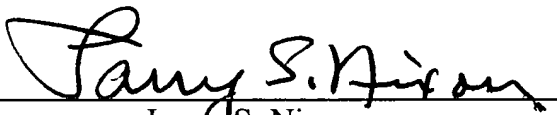
<u>Serial No.</u>	<u>Filed</u>	<u>Title</u>	<u>Inventors</u>
10/018,485	December 19, 2001	Telecommunications Routing	O'Neill & Corson
10/018,486	December 19, 2001	Telecommunications Routing	O'Neill & Corson
10/204,213	April 11, 2003	Telecommunications Routing	Corson & O'Neill
10/381,939	March 31, 2003	Telecommunications Routing	O'Neill & Corson
10/398,235	April 3, 2003	Telecommunications Routing	O'Neill & Corson
10/398,240	April 3, 2003	Telecommunications Routing	O'Neill & Corson
10/468,236	August 18, 2003	Communications Network	Corson & O'Neill
10/468,351	August 18, 2003	Communications Network	O'Neill & Corson

REMARKS/ARGUMENTS

Attention is directed to the above-identified related applications and to all prior art cited therein. To the extent not already cited herein, such prior art currently of record is hereby cross-cited as identified in the attached Form PTO-1449 and a copy of each such additional reference is also attached. Careful consideration of each such reference is requested.

Respectfully submitted,

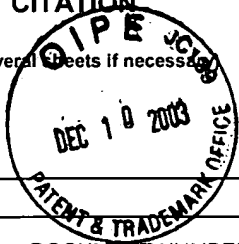
NIXON & VANDERHYE P.C.

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**INFORMATION DISCLOSURE
CITATION**

(Use several sheets if necessary)



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December 19, 2001**2681****Technology Center 2600****RECEIVED****DEC 11 2003****U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,130,898	10/2000	KOSTRESKI, et al.			
	6,038,450	03/2000	BRINK, et al.			
	6,002,677	12/1999	JAVITT, et al.			
	5,822,324	10/1998	KOSTRESKI, et al.			
	5,754,546	05/1998	VOIT et al.			
	5,751,707	05/1998	VOIT, et al.			
	5,729,549	03/1998	KOSTRESKI, et al.			
	5,533,026	07/1996	AHMADI, et al.			
	5,528,583	06/1996	ACAMPORA, et al.			
	5,384,826	01/1995	AMITAY			
	5,375,140	12/1994	BUSTAMANTE, et al.			
	5,371,738	12/1994	MOELARD, et al.			
	5,117,422	05/1992	HAUPTSCHNEIN, et al.			

FOREIGN PATENT DOCUMENTS

								TRANSLATION	
DOCUMENT				DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
			00/44133	07/2000	WO				
			98/47302	10/1998	WO				
			96/28904	09/1996	WO				
			96/28903	09/1996	WO				
			96/05704	02/1996	WO				
			11178036	07/1999	JP				
			10093634	04/1998	JP				
			0 902 551	03/1999	EP				
			0 889 667	01/1999	EP				
			0 883 266	12/1998	EP				
			0 862 344	09/1998	EP				
			0 835 034	04/1998	EP				
			0 829 985	03/1998	EP				
			0 777 396	06/1997	EP				
			0 740 440	10/1996	EP				
			0 737 019	10/1996	EP				
			0 660 632	06/1995	EP				
			1 011 241	06/2000	EP				
			5,424,696	10/1996	AU				
			5,424,496	10/1996	AU				

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

- Tutorial: Mobile Networking Through Mobile IP", Charles E. Perkins, IEEE Internet Computing Online, 1997.
- "IP Micro-Mobility Support Using HAWAII", R. Ramjee, T. La Porta, S. Thuel, K. Varadhan, 19 February 1999, posted on the Internet Engineering Taskforce Internet site at <http://www.ietf.org/internet-drafts/draft-ramjee-micro-mobility-hawaii-00.txt>.
- "A Highly Adaptive Distributed Routing Algorithm for Mobile Wireless Networks" Vincent D. Park and M Scott Corson, Proceedings of INFOCOM '97, April 7-11, Kobe, Japan.
- "A Performance Comparison of the Temporally-Ordered Routing Algorithm and Ideal Link-State Routing" Vincent D Park and M Scott Corson, Proceedings of ISCC '98, 30 June -2 July, 1999.
- "Architectural Considerations for Mobile Mesh Networking", S. Corson et al, May 1996.
- "Highly Dynamic Destination-Sequenced Distance-Vector Routing (DSDV) for Mobile Computers:", Charles E, Perkins et al., ACM SIGCOMM 1994.
- "Providing Continuous Network Access to Mobile Hosts using TCP/IP", Charles Perkins, Computer Networks and ISDN Systems vol. 26 (1993), pp 357-369.
- "Cellular IP – A New Approach to Internet Host Mobility", A.G. Valko, January 1999, ACM Comput. Commun. Review.
- "Hawaii: A Domain-based Approach for Supporting Mobility in Wide-Area Wireless Networks", R. Ramjee, T. La Porta, S. Thuel, and K. Varadhan, Proceedings of the International Conference on Networking Protocols (ICNP), 3 November 1999, pp. 283-292.
- "A protocol for seamless communication in a picocellular network", R. Ghai and S. Singh, May 1994, In Proc. IEEE Supercomm/ICC, pp. 192-196.
- "Multicast Communications—Protocols and Applications", Ralph Wittman, Martina Zitterbart, 12 May 2000, Morgan Kaufman Publishers, San Diego, pp. 105-121.
- "An Effective Spanning Tree Algorithm for a Bridged LAN", N.F. Huang and Y.C. Cheng, March 1992, International Workshop on Advanced Communications and Applications for High Speed Networks (IWACA '92), Munich, Germany, pp. 43-49.
- "Edge Mobility Architecture", A. O'Neill, G. Tsirtis, S. Corson, July 2000, posted on <http://www.comet.columbia.edu/micomobility/pub/draft-oneill-ema-02.txt>.
- "A two-phase inter-switch handoff scheme for wireless ATM Networks", K. Salah, E. Drakoponios, October 1998, IEEE ATM 98 Workshop Proceedings, pp. 708-713.
- "Adaptive Routing in Burroughs Network Architecture", J. Rosenberg, 17 August 1987, Computer Communications Review, US Association for Computing Machinery, Vol. 17, No. 5, pp. 173-184.
- "Paging Support for IP mobility using HAWAII", R. Ramjee, T. La Porta, L. Li, 25 June 1999, posted on the Internet Engineering Taskforce Internet site at <http://www.ietf.org/internet-drafts/draft-ietf-mobileip-paging-hawaii-00.txt>.
- "P-MIP: Minimal Paging Extensions for Mobile IP", X. Zhang, J. Castellanos, A. Campbell, K. Sawada, M. Barry, July 2000, posted on the Internet Engineering Taskforce Internet site at <http://www.ietf.org/internet-drafts/draft-zhang-pimp-00.txt>.
- "Source-Specific Multicast for IP", H. Holbrook, B. Cain, 9 March 2000, posted on the Internet Engineering Taskforce Internet site at <http://www.ietf.org/internet-drafts/draft-holbrook-ssm-00.txt>.
- "Cellular IP", A. Campbell, J. Gomez, C-Y Wan, S. Kim, Z. Turanyi, A. Valko, December 1999, posted on the Internet Engineering Taskforce Internet site at <http://www.ietf.org/internet-drafts/draft-ietf-mobileip-cellularip-00.txt>.
- "Host Specific Routing", Alan O'Neill, Hongyi Li, November 2000, posted on the Internet Engineering Taskforce Internet site at <http://www.ietf.org/internet-drafts/draft-oneill-li-hsr-00.txt>.
- "State Transfer between Access Routes during Handoff", A. O'Neill, G. Tsirtsis, S. Corson, August 2000, posted on the Internet Engineering Taskforce Internet site at <http://www.ietf.org/internet-drafts/draft-oneill-handoff-state-00.txt>.
- "IPv4 over Mobile IPv6 for Dual Stack nodes", G. Tsirtsis, A. O'Neill, S. Corson, August 2000, posted on the Internet Engineering Taskforce Internet site at <http://www.ietf.org/internet-drafts/draft-tsirtsis-v4-over-mipv6-00.txt>.

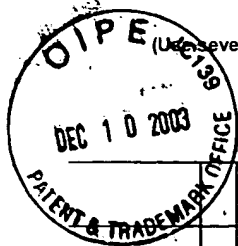
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"Generalized IP Handoff", A. O'Neill, G. Tsirtsis, S. Corson, August 2000, posted on the Internet Engineering Taskforce Internet site at <http://www.ietf.org/internet-drafts/draft-oneill-craps-handoff-00.txt>.

"EMA Enhanced Mobile IPv6/IPv4", O'Neill, G. Tsirtsis, S. Corson, July 2000, posted on the Internet Engineering Taskforce Internet site at <http://www.ietf.org/internet-drafts/draft-oneill-ema-mip-00.txt>.

"Host Extensions for IP Multicasting", S. Deering, August 1989, Internet Engineering Taskforce Request for Comment (RFC) 1112, posted on the Internet Engineering Taskforce Internet site at <http://www.ietf.org/rfc/rfc1112.txt>.

"IP Mobility Support", C. Perkins, October 1996, Internet Engineering Taskforce Request for Comment 2002, posted on the Internet Engineering Taskforce Internet site at <http://www.ietf.org/rfc/rfc2002.txt>.

"On dynamically adapting registration areas to user mobility patterns in PCS networks", G. Varsamopoulos, S.K. Gupta, September 1999, In Proc. Int'l Workshop on Collaboration and Mobile Computing (IWCMC'99), Aizu, Japan.

"Mobile user registration in cellular systems with overlapping location areas", D. Gu and S.S. Rappaport, May 1999, Proceedings of the 50th Vehicular Technology Conference, pp. 802-806.

"Extending Mobile IP with adaptive individual paging: a performance analysis", C. Castelluccia, 2000, In Proc. IEEE Symposium on Computer and Communications, pp. 113-118.

"A hierarchical multiresolution registration structure for mobility tracking", L. Tassiulas, F. Anjum, September 1996, Proceedings of the 5th International Conference on Universal Personal Communications, Boston, MA.

"Distributed algorithms for generating loop-free routes in networks with frequently changing topology", E. Gafni, D. Bertsekas, January 1981, IEEE Transactions on Communications, Vol. 29 No. 1, pp. 11-18.

"Location tracking mechanisms for optimal mobility adaption", L. Tassiulas and F.M. Anjum, October 1996, 34th Annual Allerton Conf. On Communications, Control and Computing, pp. 855-864.

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